

**CLAIMS**

What is claimed is:

1. A vehicle panel (10), comprising:  
  
a core layer (12), and  
  
a reinforcement layer (14) comprised of intermingled strands of fiberglass material (22) and a polymer material (24),  
  
5 wherein the reinforcement layer (14) has a linear density in a range between about 50 and 200 g/m<sup>2</sup>.
2. The vehicle panel of Claim 1, wherein the polymer material (24) comprises polypropylene material.
3. The vehicle panel of Claim 2, wherein the polypropylene comprises polyethylene terephthalate (PET) material.
4. The vehicle panel of Claim 1, wherein said core layer (12) is made of an insulating material.
5. The vehicle panel of Claim 4, wherein said core layer (12) comprises polypropylene material.
6. The vehicle panel of Claim 1, wherein said vehicle panel (10) comprises a headliner.
7. The vehicle panel of Claim 1, wherein the reinforcement layer (14) further comprises a binder material.
8. The vehicle panel of Claim 7, wherein the binder material comprises a low temperature polymer material.

9. The vehicle panel of Claim 1, wherein approximately 20% to 80% by weight of the reinforcement layer (14) is comprised of strands of the fiberglass material (22).

10. The vehicle panel of Claim 1, further comprising an adhesive layer (16) adjacent the reinforcement layer (14).

11. The vehicle panel of Claim 10, further comprising a cover material (20) adjacent the adhesive layer (16).

12. The vehicle panel of Claim 1, further comprising a scrim material (18) adjacent the reinforcement layer (14).